



3G-SDI Terminal Board TY-SB01SS

● Product specification (design and specification subject to change without notice)

■ Compatible Model

SQ1series

■ SLOT Compatibility

Intel® SDM specification

■ Terminal

3G-SDI IN	BNC x 1 : 0.8Vp-p (75Ω)
3G-SDI OUT	BNC x 1 : Active through

■ Standards compliance

Video	(3G-SDI) SMPTE ST 424 / 425 (HD-SDI) SMPTE ST 292 / 274 / 296 (SD-SDI) SMPTE ST 259 / ITU-R BT.656
Audio	(3G, HD-SDI) SMPTE ST 299 (SD-SDI) SMPTE ST 272

■ Compatible video format *refer to the correspondence table

3G-SDI	1080/60p, 50p, 30p, 25p, 24p, 60i, 50i, 720/60p, 50p
HD-SDI	1080/30p, 25p, 24p, 60i, 50i, 720/60p, 50p
SD-SDI	525/59.94i, 625/50i

■ Compatible audio format

3G-SDI	48KHz, 20/24bit, 16CH, Synchronized video
HD-SDI	48KHz, 20/24bit, 8CH, Synchronized video
SD-SDI	48KHz, 20/24bit, 4CH, Synchronized video

■ Mechanical

Dimensions (W x D x H)	7.7" x 1.0" x 4.9" (195 x 25 x 124.4 mm)
Weight	approx. 0.4 lbs (160 g)
Carton siz (W x D x H)	12.6" x 2.3" x 12.5" (319 x 56 x 316 mm)
Gross weight	approx. 1.3 lbs (580 g)

■ Recommended cable

3G, Hd	75 coaxial cable 5C-FB
SD	75 coaxial cable 5C-2V

■ Max. Transmission distance

3G, Hd	100 m
SD	200 m

● This product is a 3G-SDI terminal board that is attached to the SQ1^(note) series.

* This product does not work alone.

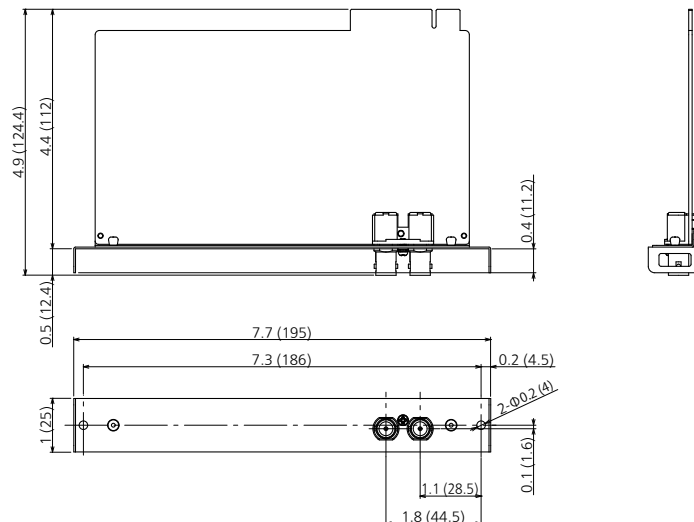
* This product will not work if it is installed on a product other than the corresponding model.

* Please consult with a professional engineer or dealer to install or remove this product from the display.

(note) This terminal board is supported only when the main software version of the display is 3.5000 or later and the sub software version of the display is 03.50 or later. For update, please contact your Panasonic dealer.

● DIMENSIONS

Cautions: This drawing is not a scale
Units : inches (mm)



● Applicable Input Signals

■ Supported SDI input signal format chart

Correspondence signal	Resolution (dot)	Scanning frequency		Dot clock frequency (MHz)	SDI Format (270M SD-SDI / 1.5G HD-SDI / 3G Level A / 3G Level B-DL)	Colour space (YCbCr/RGB)	Sampling structure (4:2:2 / 4:4:4)	Bit depth (8bit / 10bit / 12bit)
		Horizontal (kHz)	Vertical (Hz)					
480/60i	720 x 480i	15.73	59.94	13.50	270M SD-SDI	YCbCr	4:2:2	8/10
576/50i	720 x 576i	15.63	50.00	13.50	270M SD-SDI	YCbCr	4:2:2	8/10
720/50p	1280 x 720	37.50	50.00	74.25	1.5G HD-SDI	YCbCr	4:2:2	8/10
					3G Level A / 3G Level B-DL	YCbCr/RGB	4:4:4	8/10
720/60p *1	1280 x 720	45.00	60.00	74.25	1.5G HD-SDI	YCbCr	4:2:2	8/10
					3G Level A / 3G Level B-DL	YCbCr/RGB	4:4:4	8/10
1080/50i	1920 x 1080i	28.13	50.00	74.25	1.5G HD-SDI	YCbCr	4:2:2	8/10
					3G Level A / 3G Level B-DL	YCbCr	4:2:2	12
1080/50i *1	1920 x 1080i	28.13	50.00	74.25	3G Level A / 3G Level B-DL	YCbCr/RGB	4:4:4	8/10/12
					1.5G HD-SDI	YCbCr	4:2:2	8/10
1080/60i *1	1920 x 1080i	33.75	60.00	74.25	3G Level A / 3G Level B-DL	YCbCr	4:2:2	12
					1.5G HD-SDI	YCbCr/RGB	4:4:4	8/10/12
1080/24p *1	1920 x 1080	27.00	24.00	74.25	1.5G HD-SDI	YCbCr	4:2:2	8/10
					3G Level A / 3G Level B-DL	YCbCr	4:2:2	12
1080/24p *1	1920 x 1080	27.00	24.00	74.25	3G Level A / 3G Level B-DL	YCbCr/RGB	4:4:4	8/10/12
					1.5G HD-SDI	YCbCr	4:2:2	8/10
1080/25p	1920 x 1080	28.13	25.00	74.25	3G Level A / 3G Level B-DL	YCbCr	4:2:2	12
					1.5G HD-SDI	YCbCr/RGB	4:4:4	8/10/12
1080/30p *1	1920 x 1080	33.75	30.00	74.25	3G Level A / 3G Level B-DL	YCbCr	4:2:2	12
					1.5G HD-SDI	YCbCr/RGB	4:4:4	8/10/12
1080/50p	1920 x 1080	56.25	50.00	148.50	3G Level A / 3G Level B-DL	YCbCr	4:2:2	8/10
1080/60p *1	1920 x 1080	67.50	60.00	148.50	3G Level A / 3G Level B-DL	YCbCr	4:2:2	8/10

*1: 1/1.001 is also supported.

SDI Format

- 270M SD-SDI: SD-SDI format with 270 MHz
- 1.5G HD-SDI: HD-SDI format with 1.5 GHz
- 3G LEVEL A: HD-SDI format with 3 GHz LEVEL A
- 3G LEVEL B-DL: HD-SDI format with 3 GHz LEVEL B-DL

Colour space

- YCbCr: Y brightness signal, CB colour-difference signal, CR colour-difference signal
- RGB: Primary colour R/G/B signals

Sampling structure

- 4:2:2: The sampling rate for Y signal, CB and CR signals is 4:2:2
- 4:4:4: The sampling rate for Y signal, CB and CR signals (or R/G/B signals) is 4:4:4

- This product does not support closed caption (C.C.) or time code (TC).
- An auto detected signal format may be differently displayed from the actual input signal.